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New claims:

1. A molding composition made from a high-molecular-weight propylene polymer with a melt mass-flow rate MFR of from 0.3 to 1 g/10 min, to ISO 1133 at 230°C and 5 kg, and with a proportion in the range from 2 to 8% by weight of β modification crystallites.

2. A molding composition as claimed in claim 1, where the proportion of β modification crystallites is in the range from 4 to 8% by weight.

3. A molding composition as claimed in claim 1 or 2, where a high-molecular-weight propylene homopolymer is used.

4. A molding composition as claimed in claim 1 or 2, where a high-molecular-weight propylene copolymer is used and has up to 30% by weight of other copolymerized olefins having up to 10 carbon atoms.

5. A molding composition as claimed in any of the preceding claims, where the high-molecular-weight propylene polymer has a melt mass-flow rate MFR of from 0.75 to 0.9 g/10 min.

6. A molding composition as claimed in any of the preceding claims, where the DSC crystallization onset to ISO 11357-1 is at a temperature above 122°C.

7. A molding composition as claimed in claim 6, where the DSC crystallization onset to ISO 11357-1 is at a temperature of from 123 to 127°C.

8. A molding composition as claimed in any of the preceding claims, which comprises from 0.001 to 0.5% by weight of a quinacridone pigment as nucleating agent.

9. A molding composition as claimed in claim 7, where the gamma phase of linear trans-quinacridone is used as nucleating agent.

10. A process for preparing molding compositions as claimed in claim 8 or 9 by mixing the high-molecular-weight propylene polymer with the nucleating agent, where the mixing takes place in a mixing apparatus at temperatures of from 180 to 320°C.

11. A process as claimed in claim 10, wherein the mixing takes place in an extruder.

12. The use of the molding compositions as claimed in any of claims 1 to 9 as films, fibers, or

moldings.

13. The use of the molding compositions as claimed in any of claims 1 to 9 as materials for pipes.

14. A pipe obtained from the molding compositions as claimed in any of claims 1 to 9.